

## CLAIMS

1. (previously presented) Device for temperature measurement comprising:
  - a) a detector for receiving heat radiation emanating from a measurement spot on an object of measurement,
  - b) an optical system for imaging the heat radiation emanating from the measurement spot onto the detector
  - c) and a sighting arrangement having a laser aligned to illuminate a diffractive optical system to produce a diffraction pattern in the form of light intensity distribution for identifying and outlining the position and size of the measurement spot on the object of measurement by means of visible light.
3. (previously presented) Device as claimed in claim 1, wherein the diffractive optical system is formed by a holographic element.
82. (previously presented) The device of claim 1 where said diffractive optical system generates a circular arrangement of more than two beams to outline and identify the energy zone.